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**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q76620

Eing-seob CHO, et al.

Appln. No.: 10/657,124

Group Art Unit: 2655

Confirmation No.: 9206

Examiner: NOT YET ASSIGNED

Filed: September 09, 2003

For: EQUALIZER FOR OPTICAL RECORDING/REPRODUCING APPARATUS AND  
EQUALIZING METHOD THEREOF

**STATEMENT UNDER 37 C.F.R. § 1.97(e)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned hereby states, upon information and belief:

That each item of information contained in the Information Disclosure Statement filed  
concurrently herewith was first cited in any communication from a foreign patent office in a  
counterpart foreign application not more than three months prior to the filing of said Information  
Disclosure Statement.


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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Respectfully submitted,

  
Darryl Mexic  
Registration No. 23,063

Date: September 12, 2005



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**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003. Also, enclosed is a European Office Action in a corresponding European Patent Application, along with the references cited therein.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action

INFORMATION DISCLOSURE STATEMENT

U.S. Appln. No.: 10/657,124

Attorney Docket No.: Q76620

on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required. Nevertheless, since a statement can be made, a statement is submitted herewith.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

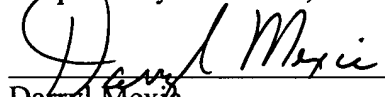
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Substitute for Form 1449 A &amp; B/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	10/657,124
Confirmation Number	9206
Filing Date	September 09, 2003
First Named Inventor	Eing-seob CHO
Art Unit	2655
Examiner Name	NOT YET ASSIGNED
Attorney Docket Number	Q76620

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 5,539,774	A	7/23/1996	NOBAKHT ET AL.
		US			

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		MIN JIN ET AL., "A novel timing recovery scheme for FDTS/DF detector", GLOBECOM <sup>1</sup> . 2001 IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE. SAN ANTONIO, TX, NOV. 25-29, 2001, IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE, NEW YORK, NY:IEEE, US vol. 5 of 6, November 25, 2001, pages 3029-3033, XP010747372	
		BRACKEN K C ET AL., "ADAPTIVE CONTINUOUS-TIME EQUALIZATION AND FDTS/DF SEQUENCE DETECTION", IEEE TRANSACTIONS ON MAGNETICS, IEEE INC. NEW YORK, US, vol. 31, no. 6, November 1995, pages 3048-3050, XP002064507	
		MOON J ET AL., "PERFORMANCE COMPARISON OF DETECTION METHOD IN MAGNETIC RECORDING", IEEE TRANSACTIONS ON MAGNETICS, IEEE INC. NEW YORK, US, vol. 26, no. 6, November 1990, pages 3155-3172, XP000200747	
		CARLEY L R ET AL., "COMPARISON OF COMPUTATIONALLY EFFICIENT FORMS OF FDTS/DF AGAINST PR4-ML", IEEE TRANSACTIONS ON MAGNETICS, IEEE INC. NEW YORK, US, vol. 27, no. 6, November 1, 1991, pages 4567-4572, XP000257379	
		WEI D C ET AL., "AN ANALOG EPR4 READ CHANNEL WITH AN FDTS DETECTOR", ICC'98. 1998, IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS. CONFERENCE RECORD. NEW CENTURY COMMUNICATIONS. ATLANTA, GA, June 7-11, 1998, IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS, NEW YORK, NY: IEEE, US, vol. VOL. 2 CONF. 5, June 7, 1998, pages 678-682, XP000890959	
		KE HAN ET AL., "ON THE PERFORMANCE AND IMPLEMENTATION OF ADAPTIVE PRML", GLOBAL TELECOMMUNICATIONS CONFERENCE 1995. CONFERENCE RECORD. COMMUNICATION THEORY MINI-CONFERENCE, GLOBECOM '95, IEEE SINGAPORE 13-17 NOV. 1995, NEW YORK, NY USA, IEEE, US, vol. 1, November 13, 1995, pages 554-558, XP010607618	
		JO HOON JUNG ET AL., "IMPLEMENTATION OF AN FDTRS/DF SIGNAL DETECTOR FOR HIGH-DENSITY DVD SYSTEMS", IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, IEEE INC. NEW YORK, US, vol. 46, no. 4, November 2000, pages 1064-1072, XP001197669	
		EING SEOB CHO, YONG SOO CHO., "AN ADVANCED SIGNAL DETECTION TECHNIQUE FOR DIGITAL VERSATILE DISC SYSTEMS", JAPANESE JOURNAL OF APPLIED PHYSICS, vol. 40, no. 3b, March 2001, pages 1723-1726, XP002335647	

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.